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Jeff Rothenberg
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Attorneys at Law
5 Columbia Circle
Albany, New York 12203
Telephone: (518) 452-5600
Facsimile: (518) 452-5579
www.hrfmlaw.com

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Jill M. Breedlove
Of Counsel

* Patent Agent

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April 6, 2005

From: Kevin P. Radigan, Esq. (e-mail: kpr@hrfmlaw.com)

Fax No.: (571) 273-8300

No. of Pages: 13 (Including this Page)

To: Examiner **Behrooz M. Senfi**
Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: U.S. Patent Application Serial No.: **10/080,745**
Applicants: Ngai et al.
Title: PROGRAMMABLE HORIZONTAL FILTER WITH NOISE
REDUCTION AND IMAGE SCALING FOR VIDEO
ENCODING SYSTEM
Attorney Docket No.: ENI920010078US1

Message: Please find attached hereto the following documents:

1. Amendment Transmittal Letter (1 page) (in duplicate);
2. Supplemental Response to Office Action (10 pages).

KPR/sj
Attachments

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AMENDMENT TRANSMITTAL LETTER (Large Entity)				Docket No. END920010078	
Applicant(s): Ngai et al.					
Application No. 10/080,745	Filing Date 02/22/2002	Examiner Behrooz M. Senfi	Customer No. 30400	Group Art Unit 2613	Confirmation No. 2972
Invention: PROGRAMMABLE HORIZONTAL FILTER WITH NOISE REDUCTION AND IMAGE SCALING FOR VIDEO ENCODING SYSTEM					

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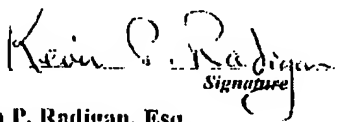
COMMISSIONER FOR PATENTS:

Transmitted herewith is an amendment in the above-identified application.
The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	21 -	32 -	0	x \$50.00	\$0.00
INDEP. CLAIMS	3 -	6 -	0	x \$200.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00


☒ No additional fee is required for amendment.
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☐ A check in the amount of _____ to cover the filing fee is enclosed.
☒ The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account **09-0457 (IBM)**
☒ Any additional filing fees required under 37 C.F.R. 1.16.
☒ Any patent application processing fees under 37 CFR 1.17.
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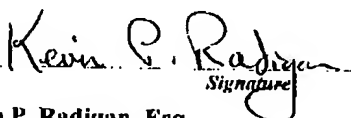


Kevin P. Radigan, Esq.
Registration No.: 31,789

Dated: **April 06, 2005**

HESLIN ROTHENBERG FARLEY & MRSITI, P.C.
5 Columbia Circle
Albany, New York 12203
Tel: (518) 452-5600
Fax: (518) 452-5579

I hereby certify that this correspondence is being transmitted by facsimile transmission to: Examiner Behrooz M. Senfi, Group Art Unit 2613, United States Patent and Trademark Office, Alexandria, VA 22313-1450, Facsimile No. 703-872-9314, on April 06, 2005. **571-213-8300**

Kevin P. Radigan

P11LARGE/REV09

AMENDMENT TRANSMITTAL LETTER (Large Entity)				Docket No. END920010078	
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<div style="position: relative; height: 100px;"> <div style="position: absolute; top: 0; left: 0; font-size: 4em; opacity: 0.2; transform: rotate(-15deg); pointer-events: none;">COPY</div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%);"> COMMISSIONER FOR PATENTS: Transmitted herewith is an amendment in the above-identified application. The fee has been calculated and is transmitted as shown below. </div> </div>					
CLAIMS AS AMENDED					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	21 -	32 =	0	x \$50.00	\$0.00
INDEP. CLAIMS	3 -	6 =	0	x \$200.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00
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 Kevin P. Radigan, Esq. Registration No.: 31,789			Dated: April 06, 2005		
HESLIN ROTHENBERG FARLEY & MESITI, P.C. 5 Columbia Circle Albany, New York 12203 Tel: (518) 452-5600 Fax: (518) 452-5579			I hereby certify that this correspondence is being transmitted by facsimile transmission to: Examiner Behrooz M. Senfi, Group Art Unit 2613, United States Patent and Trademark Office, Alexandria, VA 22313-1450, Facsimile No. 703-872-9314, on April 06, 2005.  Kevin P. Radigan		

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ngai et al.

Confirmation No.: 2972

Serial No.: 10/080,745

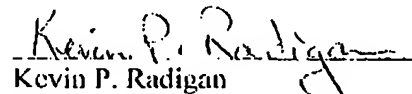
Group Art Unit: 2613

Filed: 02/22/2002

Examiner: Behrooz M. Senfi

Title: PROGRAMMABLE HORIZONTAL FILTER WITH NOISE REDUCTION AND
IMAGE SCALING FOR VIDEO ENCODING SYSTEMCERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being sent via facsimile transmission to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450 ATTN: Examiner **Behrooz M. Senfi**, at fax number (703) 872-9314 on April 6, 2005.


Kevin P. Radigan
Attorney for Applicants
Registration No.: 31,789

Date of Signature: April 6, 2005.

To: Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Supplemental Response to Office Action

Dear Sir:

This paper is filed responsive to the Office Action mailed December 1, 2004, in connection with the above-designated U.S. patent application and supplemental to the Response to Office Action mailed February 17, 2005. This Supplemental Response to Office Action replaces the prior Response to Office Action mailed February 17, 2005, and is submitted to further prosecution of the present application. Allowance of the application is respectfully requested in view of the Amendments and Remarks set forth below.

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 7 of this paper.

END920010078

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